

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/576,943  
Source: IFWP  
Date Processed by STIC: 5/4/06

***ENTERED***

## **CRF Errors Edited by the STIC Systems Branch**

Serial Number: 10/576,943

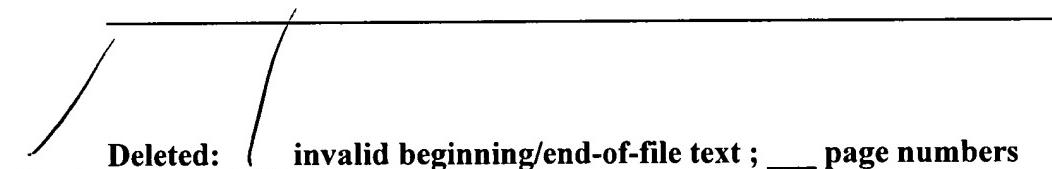
CRF Edit Date: 5/4/06  
Edited by: M

— Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

— Corrected the SEQ ID NO. Sequence numbers edited were:

---

— Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

  
Deleted: \_\_\_\_\_ invalid beginning/end-of-file text ; \_\_\_\_\_ page numbers

— Inserted mandatory headings/numeric identifiers, specifically:

---

— Moved responses to same line as heading/numeric identifier, specifically:

---

— Other:

---

---

---



IFWP

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION:** US/10/576,943

**DATE:** 05/04/2006  
**TIME:** 13:31:27

**Input Set :** A:\PTO.AMC.txt  
**Output Set:** N:\CRF4\05042006\J576943.raw

```

4 <110> APPLICANT: Long, Li
5      Luqman, Mohammad
6      Yabannavar, Asha
7      Zaror, Isabel
9 <120> TITLE OF INVENTION: USE OF ANTAGONISTIC ANTI-CD40 ANTIBODIES
10     FOR TREATMENT OF AUTOIMMUNE AND INFLAMMATORY DISEASE
11     AND ORGAN TRANSPLANT REJECTION
13 <130> FILE REFERENCE: PP23725.001 (284072)
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/576,943
C--> 15 <141> CURRENT FILING DATE: 2006-04-21
15 <150> PRIOR APPLICATION NUMBER: 60/565,710
16 <151> PRIOR FILING DATE: 2004-04-27
18 <150> PRIOR APPLICATION NUMBER: 60/525,579
19 <151> PRIOR FILING DATE: 2003-11-26
21 <150> PRIOR APPLICATION NUMBER: 60/517,337
22 <151> PRIOR FILING DATE: 2003-11-04
24 <160> NUMBER OF SEQ ID NOS: 12
26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 720
30 <212> TYPE: DNA
31 <213> ORGANISM: Artificial Sequence
33 <220> FEATURE:
34 <223> OTHER INFORMATION: Coding sequence for light chain of CHIR-12.12
35     human anti-CD40 antibody
W--> 37 <221> NAME/KEY: CDS
38 <222> LOCATION: (1)...(720)
W--> 40 <400> 1
41 atg gcg ctc cct gct cag ctc ctg ggg ctg cta atg ctc tgg gtc tct    48
42 Met Ala Leu Pro Ala Gln Leu Leu Gly Leu Leu Met Leu Trp Val Ser
43     1           5           10          15
45 gga tcc agt ggg gat att gtg atg act cag tct cca ctc tcc ctg acc    96
46 Gly Ser Ser Gly Asp Ile Val Met Thr Gln Ser Pro Leu Ser Leu Thr
47     20          25          30
49 gtc acc cct gga gag ccg gcc tcc atc tcc tgc agg tcc agt cag agc   144
50 Val Thr Pro Gly Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser
51     35          40          45
53 ctc ctg tat agt aat gga tac aac tat ttg gat tgg tac ctg cag aag   192
54 Leu Leu Tyr Ser Asn Gly Tyr Asn Tyr Leu Asp Trp Tyr Leu Gln Lys
55     50          55          60
57 cca ggg cag tct cca cag gtc ctg atc tct ttg ggt tct aat cgg gcc   240
58 Pro Gly Gln Ser Pro Gln Val Leu Ile Ser Leu Gly Ser Asn Arg Ala
59     65          70          75          80

```

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**PATENT APPLICATION: US/10/576,943**

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**Input Set : A:\PTO.AMC.txt**  
**Output Set: N:\CRF4\05042006\J576943.raw**

61 tcc	ggg	gtc	cct	gac	agg	ttc	agt	ggc	agt	gga	tca	ggc	aca	gat	ttt	288
Ser	Gly	Val	Pro	Asp	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	
63																95
65 aca	ctg	aaa	atc	agc	aga	gtg	gag	gct	gag	gat	gtt	ggg	gtt	tat	tac	336
66 Thr	Leu	Lys	Ile	Ser	Arg	Val	Glu	Ala	Glu	Asp	Val	Gly	Val	Tyr	Tyr	
67																110
69 tgc	atg	caa	gct	cga	caa	act	cca	ttc	act	ttc	ggc	cct	ggg	acc	aaa	384
70 Cys	Met	Gln	Ala	Arg	Gln	Thr	Pro	Phe	Thr	Phe	Gly	Pro	Gly	Thr	Lys	
71																125
73 gtg	gat	atc	aga	cga	act	gtg	gct	gca	cca	tct	gtc	ttc	atc	ttc	ccg	432
74 Val	Asp	Ile	Arg	Arg	Thr	Val	Ala	Ala	Pro	Ser	Val	Phe	Ile	Phe	Pro	
75																140
77 cca	tct	gat	gag	cag	ttg	aaa	tct	gga	act	gcc	tct	gtt	gtg	tgc	ctg	480
78 Pro	Ser	Asp	Glu	Gln	Leu	Lys	Ser	Gly	Thr	Ala	Ser	Val	Val	Cys	Leu	
79	145															160
81 ctg	aat	aac	ttc	tat	ccc	aga	gag	gcc	aaa	gta	cag	tgg	aag	gtg	gat	528
82 Leu	Asn	Asn	Phe	Tyr	Pro	Arg	Glu	Ala	Lys	Val	Gln	Trp	Lys	Val	Asp	
83																175
85 aac	gcc	ctc	caa	tcg	ggt	aac	tcc	cag	gag	agt	gtc	aca	gag	cag	gac	576
86 Asn	Ala	Leu	Gln	Ser	Gly	Asn	Ser	Gln	Glu	Ser	Val	Thr	Glu	Gln	Asp	
87																190
89 agc	aag	gac	agc	acc	tac	agc	ctc	agc	acc	ctg	acg	ctg	agc	aaa	624	
90 Ser	Lys	Asp	Ser	Thr	Tyr	Ser	Leu	Ser	Ser	Thr	Leu	Thr	Leu	Ser	Lys	
91																205
93 gca	gac	tac	gag	aaa	cac	aaa	gtc	tac	gcc	tgc	gaa	gtc	acc	cat	cag	672
94 Ala	Asp	Tyr	Glu	Lys	His	Lys	Val	Tyr	Ala	Cys	Glu	Val	Thr	His	Gln	
95																220
97 ggc	ctg	agc	tcg	ccc	gtc	aca	aag	agc	ttc	aac	agg	gga	gag	tgt	tag	720
98 Gly	Leu	Ser	Ser	Pro	Val	Thr	Lys	Ser	Phe	Asn	Arg	Gly	Glu	Cys	*	
99	225															235
103 <210>	SEQ ID NO:	2														
104 <211>	LENGTH:	239														
105 <212>	TYPE:	PRT														
106 <213>	ORGANISM:	Artificial Sequence														
108 <220>	FEATURE:															
109 <223>	OTHER INFORMATION:	Light chain of CHIR-12.12 human anti-CD40 antibody														
111 <400>	SEQUENCE:	2														
112 Met	Ala	Leu	Pro	Ala	Gln	Leu	Leu	Gly	Leu	Leu	Met	Leu	Trp	Val	Ser	
113	1					5				10						15
114 Gly	Ser	Ser	Gly	Asp	Ile	Val	Met	Thr	Gln	Ser	Pro	Leu	Ser	Leu	Thr	
115							20			25						30
116 Val	Thr	Pro	Gly	Glu	Pro	Ala	Ser	Ile	Ser	Cys	Arg	Ser	Ser	Gln	Ser	
117							35			40						45
118 Leu	Leu	Tyr	Ser	Asn	Gly	Tyr	Asn	Tyr	Leu	Asp	Trp	Tyr	Leu	Gln	Lys	
119							50			55						60
120 Pro	Gly	Gln	Ser	Pro	Gln	Val	Leu	Ile	Ser	Leu	Gly	Ser	Asn	Arg	Ala	
121	65						70				75					80
122 Ser	Gly	Val	Pro	Asp	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	
123							85			90						95

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION:** US/10/576,943

**DATE:** 05/04/2006  
**TIME:** 13:31:27

**Input Set : A:\PTO.AMC.txt**  
**Output Set: N:\CRF4\05042006\J576943.raw**

124 Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr  
125 100 105 110  
126 Cys Met Gln Ala Arg Gln Thr Pro Phe Thr Phe Gly Pro Gly Thr Lys  
127 115 120 125  
128 Val Asp Ile Arg Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro  
129 130 135 140  
130 Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu  
131 145 150 155 160  
132 Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp  
133 165 170 175  
134 Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp  
135 180 185 190  
136 Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys  
137 195 200 205  
138 Ala Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln  
139 210 215 220  
140 Gly Leu Ser Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys  
141 225 230 235  
144 <210> SEQ ID NO: 3  
145 <211> LENGTH: 2016  
146 <212> TYPE: DNA  
147 <213> ORGANISM: Artificial Sequence  
149 <220> FEATURE:  
150 <223> OTHER INFORMATION: Coding sequence for heavy chain of CHIR-12.12  
151 human anti-CD40 antibody (with introns)  
153 <400> SEQUENCE: 3  
154 atggagtttggctgagctgggtttccttggctatatttaagagggtgtccagtgtcag 60  
155 gtgcagttggtgagactctggggaggcggtgtccagccctggaggtccctgagactctcc 120  
156 tggcagcccttggattcaccttcagtagctatggcatgcactgggtccgcaggctcca 180  
157 gcaaggggcgtggatgtgggtggcagttataatcatatgaggaaagtaataatgataccatgca 240  
158 gactccgtgaaaggccgattcaccatctccagagacaattccaagatcacgttatctg 300  
159 caaatgaacagcctcagaacatgaggacacgtctgttattactgtgcgagatgggggt 360  
160 atagcagcacatggcctgactctggggcagggAACCTGGTACCGTCTCCAGCA 420  
161 agtaccaaggccccatccgtttcccccctggccggctgcaagagacactctgggggc 480  
162 acagcggcccctgggctgcctggtaaggacacttcccccaaccgggtgacggtgcgtgg 540  
163 aactcaggcgccctgaccatggcgtgcacacctcccgctgtcctacaatccctcagga 600  
164 ctctactcccgtggatgtggccctccagccctccagcaatggggcaccgttggggcac 660  
165 atctgcacacgtgaatcacaacccatgggtggacaagagagtggtgagagg 720  
166 ccagcacaggaggggggtgtctgctggaaatccaggctcagcgtctccgtccggacgca 780  
167 tccggctatgcgttccatggggcagcaaggcaggccctgtctgccccttccacc 840  
168 gaggcctctgccccccatcatgtcgaggatgggttttctggcttttcccccaggc 900  
169 tctgggcaggcacaggcttagtgcctaaatccaggccctgcacacaaatggcagggtgc 960  
170 tgggctcagaatgccttccatggggcaccgtggggccctgcctggaccatggcccacc 1020  
171 ccaaaggcacaacttcacatccctcagctggacacccatctccatccatggcagg 1080  
172 aactcccaatcttctctcgagatggccaaatcttgacaaaactcacaatggcccacc 1140  
173 gtgcccgaggtaagccagccccatccctcgccatccagctcaaggcgggacaatggccctag 1200  
174 agtagcctgcatccaggacaggcccccagccgggtgtgacacgtccaccatccatctt 1260  
175 cctcagcaccatggggccctgtggggaccgtcagtttccatggggcccttccatccatggcagg 1320  
176 acaccctcatgatctcccgaccctgaggatccatgtcgatgggtggacgtgagccacg 1380

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/576,943

DATE: 05/04/2006

TIME: 13:31:27

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\05042006\J576943.raw

177 aagaccctga ggtcaaggta c aactggta cg tggacggcgt ggaggtgc aatgccaaga 1440  
 178 caaagcccg gggaggac ag tacaacaga cgtaccgtgt ggtcagcgtc ctcaccgtcc 1500  
 179 tcgaccagg a ctggctgaat ggcaggaa c acaagtgc a ggtctccaac aaagccctcc 1560  
 180 cagccccat cgagaaaacc atctccaa a g ccaaagg tgg gacccgtgg gtgcgaggc 1620  
 181 cacatggaca gaggccggc tggcccaccc tctgccctga gagtgaccgc tgtaccaacc 1680  
 182 tctgtcccta caggcagcc c c gagaacca cagggttaca ccctgcccccc atcccgggag 1740  
 183 gagatgacca agaaccagg t cagcctgacc tgcctggta aaggcttcta tcccagcgc 1800  
 184 atcgccgtgg agtgggagag caatgggcag c cggagaaca actacaagac cacgcctccc 1860  
 185 gtgctggact c c gacggctc ctttttcctc tatagcaagc tcaccgtgg caagagcagg 1920  
 186 tggcagcagg ggaacgtctt ctcatgctc gtgatgcatg aggctctgca caaccactac 1980  
 187 acccagaaga g cctccct gtctccggg aatga 2016  
 189 <210> SEQ ID NO: 4  
 190 <211> LENGTH: 469  
 191 <212> TYPE: PRT  
 192 <213> ORGANISM: Artificial Sequence  
 194 <220> FEATURE:  
 195 <223> OTHER INFORMATION: Heavy chain of CHIR-12.12 human anti-CD40 antibody  
 197 <400> SEQUENCE: 4  
 198 Met Glu Phe Gly Leu Ser Trp Val Phe Leu Val Ala Ile Leu Arg Gly  
 199 1 5 10 15  
 200 Val Gln Cys Gln Val Gln Leu Val Glu Ser Gly Gly Val Val Gln  
 201 20 25 30  
 202 Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe  
 203 35 40 45  
 204 Ser Ser Tyr Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu  
 205 50 55 60  
 206 Glu Trp Val Ala Val Ile Ser Tyr Glu Glu Ser Asn Arg Tyr His Ala  
 207 65 70 75 80  
 208 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Ile  
 209 85 90 95  
 210 Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Thr Glu Asp Thr Ala Val  
 211 100 105 110  
 212 Tyr Tyr Cys Ala Arg Asp Gly Gly Ile Ala Ala Pro Gly Pro Asp Tyr  
 213 115 120 125  
 214 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly  
 215 130 135 140  
 216 Pro Ser Val Phe Pro Leu Ala Pro Ala Ser Lys Ser Thr Ser Gly Gly  
 217 145 150 155 160  
 218 Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val  
 219 165 170 175  
 220 Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe  
 221 180 185 190  
 222 Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val  
 223 195 200 205  
 224 Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val  
 225 210 215 220  
 226 Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Pro Lys  
 227 225 230 235 240  
 228 Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/576,943**

**DATE: 05/04/2006**  
**TIME: 13:31:27**

**Input Set : A:\PTO.AMC.txt**  
**Output Set: N:\CRF4\05042006\J576943.raw**

229	245	250	255
230 Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr			
231	260	265	270
232 Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val			
233	275	280	285
234 Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val			
235	290	295	300
236 Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser			
237 305	310	315	320
238 Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu			
239	325	330	335
240 Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala			
241	340	345	350
242 Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro			
243	355	360	365
244 Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln			
245	370	375	380
246 Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala			
247 385	390	395	400
248 Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr			
249	405	410	415
250 Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu			
251	420	425	430
252 Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser			
253	435	440	445
254 Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser			
255	450	455	460
256 Leu Ser Pro Gly Lys			
257	465		
260 <210> SEQ ID NO: 5			
261 <211> LENGTH: 469			
262 <212> TYPE: PRT			
263 <213> ORGANISM: Artificial Sequence			
265 <220> FEATURE:			
266 <223> OTHER INFORMATION: Heavy chain of variant of CHIR-12.12 human			
267 anti-CD40 antibody			
269 <400> SEQUENCE: 5			
270 Met Glu Phe Gly Leu Ser Trp Val Phe Leu Val Ala Ile Leu Arg Gly			
271 1	5	10	15
272 Val Gln Cys Gln Val Gln Leu Val Glu Ser Gly Gly Val Val Gln			
273	20	25	30
274 Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe			
275	35	40	45
276 Ser Ser Tyr Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu			
277	50	55	60
278 Glu Trp Val Ala Val Ile Ser Tyr Glu Glu Ser Asn Arg Tyr His Ala			
279 65	70	75	80
280 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Ile			
281	85	90	95

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/576,943

DATE: 05/04/2006

TIME: 13:31:28

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\05042006\J576943.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application No  
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:37 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:40 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:529 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:630 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11

## **Raw Sequence Listing before editing (for reference only)**



IFWP

**RAW SEQUENCE LISTING**  
PATENT APPLICATION: US/10/576,943

DATE: 05/03/2006  
TIME: 11:20:22

Input Set : A:\seqlst.txt  
Output Set: N:\CRF4\05032006\J576943.raw

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4 <110> APPLICANT: Long, Li
5   Lucman, Mohammad
6   Yabannavar, Asha
7   Zaror, Isabel
9 <120> TITLE OF INVENTION: USE OF ANTAGONISTIC ANTI-CD40 ANTIBODIES
10  FOR TREATMENT OF AUTOIMMUNE AND INFLAMMATORY DISEASE
11  AND ORGAN TRANSPLANT REJECTION
13 <130> FILE REFERENCE: PP23725.001 (284072)
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/576,943
C--> 15 <141> CURRENT FILING DATE: 2006-04-21
15 <150> PRIOR APPLICATION NUMBER: 60/565,710
16 <151> PRIOR FILING DATE: 2004-04-27
18 <150> PRIOR APPLICATION NUMBER: 60/525,579
19 <151> PRIOR FILING DATE: 2003-11-26
21 <150> PRIOR APPLICATION NUMBER: 60/517,337
22 <151> PRIOR FILING DATE: 2003-11-04
24 <160> NUMBER OF SEQ ID NOS: 12
26 <170> SOFTWARE: FastSEQ for Windows Version 4.0

```

#### ERRORED SEQUENCES

704 <210> SEQ ID NO: 12  
 705 <211> LENGTH: 277  
 706 <212> TYPE: PRT  
 707 <213> ORGANISM: Homo sapiens  
 709 <400> SEQUENCE: 12  
 710 Met Val Arg Leu Pro Leu Gln Cys Val Leu Trp Gly Cys Leu Leu Thr  
 711 1 5 10 15  
 712 Ala Val His Pro Glu Pro Pro Thr Ala Cys Arg Glu Lys Gln Tyr Leu  
 713 20 25 30  
 714 Ile Asn Ser Gln Cys Cys Ser Leu Cys Gln Pro Gly Gln Lys Leu Val  
 715 35 40 45  
 716 Ser Asp Cys Thr Glu Phe Thr Glu Thr Glu Cys Leu Pro Cys Gly Glu  
 717 50 55 60  
 718 Ser Glu Phe Leu Asp Thr Trp Asn Arg Glu Thr His Cys His Gln His  
 719 65 70 75 80  
 720 Lys Tyr Cys Asp Pro Asn Leu Gly Leu Arg Val Gln Gln Lys Gly Thr  
 721 85 90 95  
 722 Ser Glu Thr Asp Thr Ile Cys Thr Cys Glu Glu Gly Trp His Cys Thr  
 723 100 105 110  
 724 Ser Glu Ala Cys Glu Ser Cys Val Leu His Arg Ser Cys Ser Pro Gly  
 725 115 120 125

*(Signature)*

*Does Not Comply  
Corrected Diskette Needed*

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/576,943

DATE: 05/03/2006  
TIME: 11:20:22

Input Set : A:\seqlst.txt  
Output Set: N:\CRF4\05032006\J576943.raw

726 Phe Gly Val Lys Gln Ile Ala Thr Gly Val Ser Asp Thr Ile Cys Glu  
727 130 135 140  
728 Pro Cys Pro Val Gly Phe Phe Ser Asn Val Ser Ser Ala Phe Glu Lys  
729 145 150 155 160  
730 Cys His Pro Trp Thr Ser Cys Glu Thr Lys Asp Leu Val Val Gln Gln  
731 165 170 175  
732 Ala Gly Thr Asn Lys Thr Asp Val Val Cys Gly Pro Gln Asp Arg Leu  
733 180 185 190  
734 Arg Ala Leu Val Val Ile Pro Ile Ile Phe Gly Ile Leu Phe Ala Ile  
735 195 200 205  
736 Leu Leu Val Leu Val Phe Ile Lys Lys Val Ala Lys Lys Pro Thr Asn  
737 210 215 220  
738 Lys Ala Pro His Pro Lys Gln Glu Pro Gln Glu Ile Asn Phe Pro Asp  
739 225 230 235 240  
740 Asp Leu Pro Gly Ser Asn Thr Ala Ala Pro Val Gln Glu Thr Leu His  
741 245 250 255  
742 Gly Cys Gln Pro Val Thr Gln Glu Asp Gly Lys Glu Ser Arg Ile Ser  
743 260 265 270  
744 Val Gln Glu Arg Gln.  
745 275

E--> 747 12

753 RTA01/2168245v1

VERIFICATION SUMMARY  
PATENT APPLICATION: US/10/576,943

DATE: 05/03/2006  
TIME: 11:20:23

Input Set : A:\seqlst.txt  
Output Set: N:\CRF4\05032006\J576943.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application No  
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:37 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:40 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:529 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:630 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11  
L:747 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:12